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## U. S. DEPARTMENT OF AGRICULTURE.

## BUREAU OF ANIMAL INDUSTRY.

## CHECK LIST OF THE ANIMAL PARASITES OF PIGEONS.

(Columba livia domestica.)

This check list is taken from the card catalogue of the Zoological Laboratory, Bureau of Animal Industry, and contains all of the animal parasites of the domesticated pigeon recorded up to the present time, so far as it has been possible to trace them in veterinary and zoological literature. The generic names are printed in brevier antique lower case, ex., **Balantidium**; the generally accepted specific names are given in brevier small caps under the generic name, ex., **VIRIDE**; synonyms, which are taken upon the authority of various authors, are printed in brevier italics and cross referenced to the name adopted for the parasite by the most recent authorities, ex., "**Coccidium Rivolta** see **COCCIDIUM TENELLUM**."

In the present list I do not commit myself to the validity of any species or genus or to the validity of any specific or generic name. The names given are those adopted by the most recent authorities, but it will be years before all of these forms can be properly studied. In a few cases I have adopted the "generally accepted name," even if it is apparently not the first available name, as I consider it better to make changes in nomenclature only when the literature can be given. An historical review of the species is, however, out of the question in a check list of this kind.

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Approved:

J. STERLING MORTON, Secretary.  
WASHINGTON, D. C., July 21, 1896.

## PROTOZOA (UNICELLULAR ANIMALS).

Balantidium Claparède & Lachmann, 1858	
VIRIDE Willach, 1893	Lung
Cercomonas Dujardin, 1841	
GALLINÆ Rivolta	Trachea
HEPATICA Rivolta	Liver
Coccidium R. Leuckart, 1879	
<i>Rivolta</i> see COCCIDIUM TENELLUM.	
TENELLUM Railliet & Lucet, 1891	Intestine
1886, <i>Coccidium Rivolta</i> Harz [nec Grassi, 1881].	
Hæmamœba Grassi & Feletti, 1889	
DANILEWSKYI	Blood

**Lophomonas Stein, 1861***columba* see TRICHOMONAS COLUMBÆ.**Trichomonas Donnæ, 1837**COLUMBÆ Rivolta, 1881 ..... Intestine  
1886, *Lophomonas columba* (Rivolta, 1881) Railliet.**CESTODA (TAPEWORMS).\*****Alyselminthrus Zeder, 1800***columba* see DAVAINEA CRASSULA.**Bothriocephalus Rudolphi, 1808**

sp. of Bertkau, 1875 ..... Intestine

**Choanotænia Railliet, 1896***infundibuliformis* see DREPANIDOTÆNIA INFUNDIBULIFORMIS.**Davainea R. Blanchard & Railliet, 1891***columba* see DAVAINEA CRASSULA.

CRASSULA (Rudolphi, 1819) Railliet, 1893 ..... Intestine

? 1790, *Tænia serpentiformis* i. *T. turturis* Gmelin.? 1800, *Alyselminthrus columba* Zeder.? 1803, *Halysis columba* (Zeder, 1800) Zeder.? 1810, *Tænia sphenocephala* Rudolphi.1819, " *T. sphenocephala* Rudolphi," 1810, of Rudolphi.1819, *T. crassula* Rudolphi.1891, *Davainea columba* (Zeder, 1800) R. Blanchard.**Drepanidotænia**

INFUNDIBULIFORMIS (Goeze, 1782) Railliet, 1893 ..... Intestine

1779, *Tænia infundibulum* Bloch pro parte.1782, *T. infundibuliformis* Goeze.1896, *Choanotænia infundibuliformis* (Goeze, 1782) Railliet.**Halysis Zeder, 1803***columba* see DAVAINEA CRASSULA.**Ligula Bloch, 1782**

sp. (artificial infections by Duchamp) ..... Intestine

**Tænia (s.l.) Linnaeus, 1758***crassula* see DAVAINEA CRASSULA.

DELAFONDI Railliet, 1892 ..... Intestine

*infundibuliformis* see DREPANIDOTÆNIA INFUNDIBULIFORMIS.*infundibulum* see " " "*sphenocephala* see DAVAINEA CRASSULA.*turturis* see " " "**NEMATODA (ROUND WORMS).****Ascaris Linnaeus, 1758***columba* see HETERAKIS MACULOSA.*maculosa* see " " "*teres* see " " "**Calodium Dujardin, 1845***tenuis* see TRICHOSOMUM TENUISSIMUM.

\* For a discussion of these parasites see Stiles's Report upon the Present Knowledge of the Tapeworms of Poultry. (Bull. 12, Bureau of Animal Industry, U. S. Department of Agriculture, Washington, D. C., 1896.)

† Railliet has recently proposed a new genus (*Choanotænia*) for the species *Drepanidotænia infundibuliformis*. As this species has not yet been sufficiently studied anatomically, I prefer to retain the present name.

**Filaria** O. F. Müller, 1787

CLAVA Wedl, 1856 ..... (encysted) Trachea  
 MAZZANTII Railliet, 1893 ..... Connective tissue beneath skin

**Heterakis** Dujardin, 1845

*columbae* see **HETERAKIS MACULOSA**.  
**MACULOSA** (Rudolphi, 1802) Schneider, 1866 ..... Intestine  
 ? 1782, *Ascaris teres* Goeze, pro parte.  
 ? 1790, *A. columba* Gmelin.  
 1802, *A. maculosa* Rudolphi.  
 1885, *Heterakis columba* (Rudolphi, 1802) Railliet.

**Trichosoma** Rudolphi, 1819 (also **Trichosomum**)

*columbae* see **TRICHOSOMA TENUISSIMUM**.  
**TENUISSIMUM** Diesing, 1851 [*nec* Leidy, 1890].  
 1819, *Trichosoma columbae* Rudolphi.  
 1845, *Calodium tenuae* Dujardin.

**ARACHNIDA (MITES).****Acarus** Linnæus, 1758

*marginatus* see **ARGAS REFLEXUS**.  
*reflexus* see " "

**Argas** Latreille, 1795

*marginatus* see **ARGAS REFLEXUS**.  
**REFLEXUS** (Fabricius, 1794) Latreille, 1795 ..... External  
 1794, *Acarus reflexus* Fabricius.  
 1794, *A. marginatus* Fabricius.  
 1804, *Rhyncopriion columbae* Hermann.  
 1843, *Argas marginatus* (Fabricius, 1794) Contarini.

**Cheyletiella** Canestrini, 1886

**HETEROPALPA** (Mégnin, 1878) ..... External

**Falciger** Buchholz, 1869 [*nec* Megerle, 1821]

*rostratus* see **FALCULIFER ROSTRATUS**.

**Falculifer** Railliet, 1896

**ROSTRATUS** (Buchholz, 1869) Railliet, 1896 ..... External  
 1869, *Falciger rostratus* Buchholz.  
 1877, *Hypodectes columbae* Solar斯基.  
 1877, *Hypoderas columbae* Murray.  
 —?—, *Hypodectes minor*.

**Hypodectes** Filippi, 1861

*columbae* see **FALCULIFER ROSTRATUS**.  
*minor* see " "

**Hypoderas** Frauenfeld, 1864

*columbae* see **FALCULIFER ROSTRATUS**.

**Megninia**

**ASTERNALIS** (Mégnin) ..... External

**Pterophagus**

**STRICTUS** (Mégnin) ..... External

**Rhyncopriion** Hermann, 1804 [*nec* Oken, 1815]

*columbae* see **ARGAS REFLEXUS**.

**Sarcopterus** Railliet, 1893

**NIDULANS** (Nitzsch, 1818) Railliet, 1893 ..... External

**Sarcoptes** Latreille, 1806

**LÆVIS** var. **COLUMBÆ** Railliet ..... External

**Syringophilus** Heller, 1880**BIPECTINATUS** Heller, 1880 ..... External**INSECTA (INSECTS).****Acanthia** Fabricius, 1776**COLUMBARIA** (Jenyns, 1839) ..... External  
1839, *Cimex columbarius* Jenyns.**Cimex** Linnæus, 1758*columbarius* see **ACANTHIA COLUMBARIA**.**Colpocephalum** Nitzsch, 1818*longicaudum* see **COLPOCEPHALUM TURBINATUM**.**TURBINATUM** Denny, 1842 ..... External  
1866, *Colpocephalum longicaudum* Nitzsch.**Dermestes** Linnæus, 1758**LARDARIUS** Linnæus, 1758 ..... External**Goniodes** (Nitzsch, 1818)**MINOR** Piaget, 1880 ..... External**Hippobosca** Linnæus, 1758*avicularia* see **ORNITHOMYIA AVICULARIA**.**Lipeurus** (Nitzsch, 1818)**COLUMBÆ** (Linnæus, 1758) Railliet, 1895 ..... External  
1758, *Pediculus columbae* Linnæus.**Menopon** (Nitzsch, 1818)**LATUM** Piaget ..... External**Ornithomyia** Latreille, 1802**AVICULARIA** (Linnæus, 1758) ..... External  
1758, *Hippobosca avicularia* Linnæus.**Pediculus** Linnæus, 1758*columba* see **LIPEURUS COLUMBÆ**.**Tenebrio** Linnæus, 1758**MOLITOR** Linnæus, 1758 ..... External